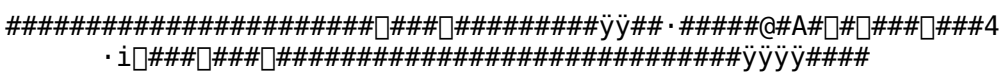

#2##□##óöQû-
{ÿ##############□#ÿÿd######0##d#########Â###IMMEDIATE REQUIREMENTS - AMC to provide central funding for Repositories maintenance and operation. AMC to fund digitizing legacy data.Improved network connectivity between repositories.

#R##□##□öÂûy $#ÿÿ$###ÿÿ#####ÿ□#ÿÿd#########d#########ó###SHORT TERM GOALS - Determine modes of operation of various Repositories.Review data elements and reconcile JEDMICS with Defense Data Dictionary.Exploit JEDMICS ability to store corporate information for the purposes of customer service.#

#A#########A#################A#########A#####□#ÿÿd#########d#########3##□##Úö£#V ;#ÿÿ3###ÿÿ#####ÿ□#ÿÿd#########d#########□###Recommendation: When shown to be #more cost effective, leasing should be#the preferred method of obtaining the #use of item(s).

##þ□þå#n###8### # #######□#########□#####3##□##Ðöjý& ##ÿÿ
###ÿÿ#####ÿ□#ÿÿd#########d#########i###Issue: Performance Specifications (PS) alone or in absence of Tech Data (TDP) is not always □Best Value□#

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      Ü#ÿÿ ###ÿÿ#####ÿ□#ÿÿd#########d#########□###Recommendation: Workshop participants establish improved guidance for using PS with guidance TDPs, or PS alone, or □smart□ TDP

##þ□þå#n###8### # #######Z#########Z#####3##□##Ðöjý6#6ÿÿÿ
###ÿÿ#####ÿ□#ÿÿd#########d#########Z###Issue: Acquisition Strategy frequently does not consider life-cycle technical data needs

#Z#########Z#################Z#########Z#####□#ÿÿd#########d#########3##□##Ðö□#f #L#ÿÿ ###ÿÿ#####ÿ□#ÿÿd#########d#########e###Recommendation: Establish cost effective life-cycle consideration as part of the Acquisition Strategy#

#?#########?#################?#########?
#####□#ÿÿd#########d#########3##□##ĐöÊ#Æ#|#ÿÿ
###ÿÿ#####ÿ□#ÿÿd#########d#########p###Recommendation: Consider IPT insight,
opportunities for competition across the life cycle, and the VECP process

##þ□þå#n###8### # #######z#########z#####3##□##ÐöjýV ##ÿÿ
###ÿÿ#####ÿ□#ÿÿd#########d#########□###Issue: Success of electronic data initiatives supports smart usage of technical data, yet emphasis is on Performance Specs, not detailed data

#□#########□#################□#########□#####□#ÿÿd#########d#########3##□##ÐöJ#V
      ##ÿÿ ###ÿÿ#####ÿ□#ÿÿd#########d#########Q###Recommendation: Reaffirm the need for technical data beyond the Performance Spec`

##þ□þå#n###8### # #######□#########□#####3##□##Ðö
ýÖ#¼ÿÿÿ ###ÿÿ#####ÿ□#ÿÿd#########d#########r###Issue: How is performance verification of multiple configurations done with limited testing without access to TDP

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#ÿ#¥#ÿÿ ###ÿÿ#####ÿ□#ÿÿd#########d#########□###Recommendation: Reaffirm AAE and AMC Acquisition Streamlining guidance on usage of product TDP to ensure traceability of configurations

```
#################$##########################ÿ□#ÿÿd######3##d#######
      #2##□##£ø8üí#c###############□#ÿÿd######0##d#########2###New Business
Processes Utilizing Intelligent Data
```

##þ□þå#n###8### # #######¢###<#####¢###
#2##□##Ýö¾ýú#Mÿ############@ÿ□#ÿÿd#########d#############1. Data requirements should be consistent with acquisition strategy and any changes to data should be reflected in the acquisition strategy and vice versa.2. Access to contractor formatted data is preferred method and delivery at the end of contract if it makes sense.

#ÏA # #@#@#8### # #########ÏA%#%#########0#0###|
#####ÏA##>#Ý#M#####0#0#######□#########□###
#2##□##óö¾ý*#þ#ÿÿ####ÿÿ####@ÿ□#ÿÿd#########d#############3. Access data from start of program.4. Recommend Automation Infrastructure be flexible enough to adapt to continuously improving Business Processes.5. Redefine role of government repositories.6. Store data where it makes sense and use PDM to access/control/manage it.

```
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#####ÏA##>#Ý#M#####0#0#######4#########4###    #2##□##
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```

7. Have workgroups of this type done at each command for their acquisitions and then have the results of these groups brought to an AMC workgroup for discussion.

8. Do not dictate use of standard business processes (one size does not fit all), but standardize interfaces for exchange within government.ü

#ÏA # #@#@#8### # #########ÏA%#%#########0#0###|
#####ÏA##>#Ý#M#####0#0#######n#########n###   #2##□##
÷îý*#>#ÿÿ####ÿÿ####@ÿ□#ÿÿd#########d#########3###9. Develop handbook on how to acquire electronic data to support the business process.10. Identify standard messages that are required, and define their content to use in data exchange.
ex. X12 transaction sets (EDI)   ex. Step 232 (exchange messages)(how you   package the technical data) - PDM systems.#

```
############################################ÿ□#ÿÿd#########d#########2##□###÷%ýÀ
      A#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########C###Centralized vs. distributed
repositoryPolitics barrier to BPR and tech.Responsibility for and management of
dataApproved vs. in-process dataOther business processes beyond tech. data
Knowledge of EDM system (training, expertise)Industry access to government
systemUser requirements For repositoryData type vs. usage&
```

##ÿ□#ÿÿd#########d#########2##□##ûö□ý« ###############ÿ□#ÿÿd#########d#########□###1. Data standards (no comprehensive tech data standards (eng., CM; no standardized CITIS data)2. Tools for multiple formats (viewer, conversion, storage)3. Data transport media/methods (multiple formats)4. Access control/security (data aware, approval/signature, distribution restrictions)5. Currency of data, e.g., specs (access to CM data)6. Infrastructure requirements and availability #

#################$##########################ÿ□#ÿÿd######0##d#########2##□###÷□üT
ý#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########k###7. Data formats vs. usage (life cycle from development to sustainment) (common denominator? What to buy? COOP?)8. System interfaces (gov□t and primes, e.g., CITIS)9. Slowness of automation systems upgrades (politics, resources)10. CITIS compatibility with MSC and other CITIS (no standard CITIS, transfer of data)11. Global data (LCN vs. other ID)#

#####2##□##□þÈýÿ
$#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########é###ACTIONSBless use of commercial standards, e.g., PDF Repository meta data I/F spec. (multi data type identification)Update tech. data dictionary (document AMC usage; forward to DoD) Uniform archival schemes or wrapper (commercial)m

##ÿ□#ÿÿd#########d#########2##□###öÈý¸
ýF#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########T###CURRENTEC/EDI, CALS, STEP, CM I/F,
DDDS, MIL-STD-2549, commercial (PDF and others)

#################$##########################ÿ□#ÿÿd######0##d#########2##□###ÿIý#ó#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########þ###ACTIONSTech refresh (resources) Distribution of resources based on needPlan for technology advanceBudget wedge (IDE?)Site license/gov□t owned low cost (free)Account as investment vs. ops expenseMinimize data conversionsConnect/manage Army formats

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þ##ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########□###CURRENTCOTSTool set (JEDMICS/DB)
Incompatibility toolsNo COE/architectureShow tech refresh roleArchitecture is not the answer

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ç#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########Y###ACTIONSNetwork availability to
customers:     - assess current     - plan to modernize#
```

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#4#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########Ö###CURRENTPhysical media     - 1840
tape  - Hierarchical file system media (compact disk, floppy disk)     - Paper &
aperture cards (not multi format)Electronic media    - FTP, e-mail,    - EC/EDI,
FACNET,     - Internet, BBS
```

```
#################$##########################ÿ□#ÿÿd######0##d#########2##□##¬öWý$
#¢##############ÿ□#ÿÿd#########d#########¿###CURRENTData is not always
maintained by gov□t(maybe at prime or sub)No uniform CM systemCommercial specs
(IHS), CM, TDCMS (70%)No uniform interface to TDCMS Standard TDCMS?CM vs. PDM?#
```

##ÿ□#ÿÿd#########d#########2##□####□ý¯
      ¦#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########²###ACTIONSPut priority on keeping gov□t CM & repository data maintained for prime-managed items, or access to primesContinue to push for CM system improvementFurther study on PDM

```
##þ□þå#n###8### # #######(###Ì#####(#####2##□##Üÿ|ýO
      d##############ÿ□#ÿÿd#########d#########Y###ACTIONSDisseminate AMC plan
(IDE action) - living document, today□s & tomorrow□s vision
```

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##g###CURRENTTech refreshLack of MSC architecture coordinationMoving in same
direction at different rates?#
```

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      I#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########a###ACTIONSFurther study Manage
multiple data typesVersion control on software used to create data#
```

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#H###CURRENTMultiple formats for same dataNo software version control (CAD)
```

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##þ□þå#n###8### # #######È##########È#####2##□###ÿÖý;
¾##############ÿ□#ÿÿd#########d##########Í###ACTIONSPolicy to overcome disparate
architecture with interfaces (flexible)Bless use of intra/internetBuild
interfaces between internet & gov□t systems (secure if  needed)AMC RDA
involvement in JLITn
```

```
##þ□þå#n###8### #
#######¾###\#####¾######2##□##Üö6þÑÿ###############ÿ□#ÿÿd#########d#########|
###CURRENTSystems are not interfacedEfforts to evolve process not successful
Jungle rulesReplace systems vs. evolve process
```

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# ######### ################# ######### ####ÿ□#ÿÿd#########d#########2##□##□#`þ□
      I##############ÿ□#ÿÿd#########d#########h###ACTIONSDefine core systems
Provide tools & interfacesLet MSC integrate within boundaries (resources)
```

##þþå#n###8### # #######~###(#####~#####2#####_#Ìþ{
Ô#ÿÿ####ÿÿ#####ÿ#ÿÿd#########d#########x###ACTIONSPlan for when govt takes responsibility for dataTake another look at CITISGuidance on as-built configuration

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þÔ#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########d###CURRENTGov□t system for
configuration interfaceNo resourcing of gov□t CITIS users beyond PM/matrix

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################$##########################ÿ□#ÿÿd######0##d#####!###R##□##WörúI
      ##ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#####"###□###Definition of Technical Data:
Data necessary to describe, manufacture, procure, field and support the
qualified design of a configuration itemü
```

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#Î#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#########ï###Importance of acquisition and
sustainment strategiesDefinition of technical dataCurrent/future uses of
technical dataCost of technical dataAccess vs OwnershipRisk of not acquiring
dataType of commodityMultiple formats and approaches#
```

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############################################ÿ□#ÿÿd#########d##########R##□##çö#ýÙ
      S#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#####$###ß###All elements of tech data have
value.  However, all elements are not necessary for all systems.Tech data
requirements should be tailored to the system. Type of data dependent on the
acquisition and sustainment strategies.#
```

```
# ######### ################# ######### ####ÿ□#ÿÿd#########d#####$###R##□###ö□ü]
Þ#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#####%###¿###Spare parts procurement
Maintenance/overhaulProvisioningExplosive Ordnance Disposal (EOD)System
OperationQualification/acceptance of product design/partsModernization
Engineering Support#
```

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ó#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#####&###Ý###   The future role of technical data remains the same. It will continue to provide the customer the necessary information to ensure a usable quality product. However, current government business processes are changing. 6

```
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      Þ#ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#####'###1###There is still a valid need
for technical dataThe effectiveness of technical data management starts with the
acquisition and sustainment strategiesThe level of technical data bought depends
on achieving a balance of  factors - cost, risk, type of commodity, acquisition
and sustainment strategies, etc..#
```

##ÿ□#ÿÿd#########d#####'###R##□##□öFüy
##ÿÿ####ÿÿ#####ÿ□#ÿÿd#########d#####(###_###Multiple data formats and data transfer approaches are currently cumbersome and inefficientCurrent structure dilutes accountability of Program Managers for decisions affecting long term impacts of technical dataProgram Management Integrated Product Teams must be better trained to function with the latest technology on concepts in data acquisition.s

##ÿ□#ÿÿd#########d#####(###R##□##·öRü©
Î#ÿÿ$###ÿÿ#####ÿ□#ÿÿd#########d#####)###{###Set of metrics for technical dataDevelop direction that program Technical Data decisions and acquisition be shown to be consistent and support the life cycle sustainment plan of the deployed configuration itemDevelop guidelines/templates on when ownership of data should be procured versus access onlyIncrease emphasis on Program Manager Integrated Product Team (IPT) training#